

| | | | | |
|-----------------------------------|----------------------------|--------------------------------|---|--|
| THOMSON DELPHION | | | | |
| Log Out | Work Files | Saved Searches | My Account Products | Search: QuickNumber Boolean Advanced Derwent |
| RESEARCH | | PRODUCTS | | INSIDE DELPHION |
| Help | | | | |

The Delphion Integrated View

Buy N w: PDF | [More choices...](#)

Tools: Add to Work File: Create new Work File

Vi w: [Expand Details](#) | [INPADOC](#) | Jump to: [Top](#)

Go to: [Derwent](#)

[Email this to a friend](#)

🔍 Title: **WO0068692A1: A METHOD OF DETECTING AN ANALYTE USING SEMICONDUCTOR NANOCRYSTALS**[\[French\]](#)

🔍 Derwent Title: Detection of analytes using semi-conductor nanocrystals which are more robust than organic fluorescent dyes and which can be made to have characteristic spectral emissions [\[Derwent Record\]](#)

🔍 Country: **WO** World Intellectual Property Organization (WIPO)

🔍 Kind: **A1** Publ.of the Int.Appl. with Int.search report ¹

🔍 Inventor: **BRUCHEZ, Marcel, P.**; 32392 Derby Street, Union City, CA 94587, United States of America
DANIELS, R., Hugh; 136 Seale Avenue, Palo Alto, CA 94301, United Kingdom
EMPEDOCLES, Stephen, A.; 2507 Mardell Way, Mountain View, CA 94043, United States of America
PHILLIPS, Vince, A.; 863 Lewis Avenue, Sunnyvale, CA 94086, United States of America
WONG, Edith, Y.; 22 Volterraa Court, Danville, CA 94526, United States of America
ZEHNDER, Donald, A.; 1398 Orange Avenue, San Carlos, CA 94070, United States of America

🔍 Assignee: **QUANTUM DOT CORPORATION**, 4030 Fabian Way, Palo Alto, CA 94303, United States of America
[News, Profiles, Stocks and More about this company](#)

🔍 Published / Filed: **2000-11-16 / 2000-05-05**

🔍 Application Number: **WO2000US0012227**

🔍 IPC Code: **G01N 33/58**; **G01N 33/533**; **G01N 33/542**;

🔍 ECLA Code: **G01N33/533**; **G01N33/543D**; **G01N33/58J**;

🔍 Priority Number: 1999-05-07 **US1999000133084P**

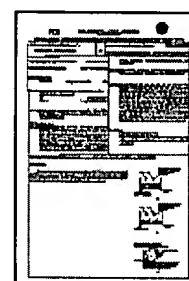
🔍 Abstract:

The use of semiconductor nanocrystals as detectable labels in various chemical and biological applications is disclosed. The methods find use for detecting a single analyte, as well as multiple analytes by using more than one semiconductor nanocrystal as a detectable label, each of which emits at a distinct wavelength.
[\[French\]](#)

🔍 Attorney, Agent or Firm: **ROBINS, Roberta, L. ;**

🔍 INPADOC Legal Status: [Show legal status actions](#)

Buy Now: [Family Legal Status Report](#)



High Resolution

Low Resolution

102 pages

🔍 Related Applications:

| Applicati n Number | Filed | Patent | Pub. Date | Title |
|--------------------|------------|--------|-----------|-------|
| US1999000133084P | 1999-05-07 | | | |

? Designated Country: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW,
 Eur pean patent: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE, OAPI pat nt: BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG, ARIPO patent: GH GM KE LS MW SD SL SZ TZ UG ZW, Eurasian patent: AM AZ BY KG KZ MD RU TJ TM

? Family: [Show 9 known family members](#)

? Description: [Expand full description](#)

+ A METHOD OF DETECTING AN ANALYTE USING SEMICONDUCTOR NANOCRYSTALS

+ FIELD OF THE INVENTION

+ BRIEF DESCRIPTION OF THE DRAWINGS

+ DETAILED DESCRIPTION OF THE INVENTION

? First Claim: [Show all claims](#)

1.A method of detecting one or more target analy-tes in a sample containing or suspected of containing the one or more analytes, comprising the steps of(a) providing the sample on a solid support; (b) combining said sample with a semiconductor nanocrystal conjugate, wherein said combining is performed under conditions that allow formation of a complex comprising said conjugate and said analyte, when present; (c) removing any unbound conjugate; (d) detecting the presence of the complex, if present, by monitoring a spectral emission mediated by the semiconductor nanocrystal in the complex, wherein the emission indicates the presence of one or more target analytes in the sample. †

? Other Abstract Info: CHEMABS 133(25)346793J CHEMABS 133(25)346793J DERABS C2001-061110 DERABS C2001-061110



[Nominate this for the Gallery...](#)



† Copyright © Univentio 2001-2003.

© 1997-2003 Thomson Delphion Research Subscriptions | Privacy Policy | Terms & Conditions | Site Map | Contact Us | Help